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(54) CATALYST FOR EXHAUST GAS PURIFICATION AND MANUFACTURE THEREOF

(57)Abstract:

PROBLEM TO BE SOLVED: To further improve the durability by increasing the inhibitive effects upon the poisoning of an occlusion material by sulfur and at the same time, inhibiting the sintering of a catalytic noble metal, in an occlusion reduction-type catalyst.

SOLUTION: This catalyst for exhaust gas purification comprises a core part 10 made up of a first carrier and an NO_x occlusion material contained in the first carrier and a catalyst carrying layer 11 made up of a second carrier and a catalytic noble metal contained in the second carrier and formed on the surface of the core part 10. SO_x is prevented from reaching the core part 10 by the catalyst carrying layer 11 and the sintering of the catalytic noble metal is prevented from occurring as the NO_x occlusion material is separated from the catalytic noble metal.

